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PATENT APPLICATION  
Docket No.: 2909.1000-004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William G. Thilly  
Application No.: 09/503,758 Group: 1656  
Filed: February 14, 2000 Examiner: T. Strzelecka  
For: Methods of Identifying Point Mutations in a Genome

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CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>12-26-01</u>	<u>Denise Caredeo</u>
Date	Signature
<u>Denise Caredeo</u>	
Typed or printed name of person signing certificate	

DECLARATION OF INVENTORSHIP BY DR. WILLIAM G. THILLY  
UNDER 37 C.F.R. § 1.32

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Dr. William G. Thilly, of 438 S. Border Road, Winchester, MA 01890, declares and states that:

1. I am a co-author of a paper entitled, "Single Nucleotide Polymorphism Spectra in Newborns and Centenarians: Identification of Genes Coding for Rise of Mortal Disease," which appears in *Gene* (November 26, 1988. 223:381-391). I have been provided with a copy of this publication to refresh my recollection of its contents prior to making this Declaration.
2. I am the sole inventor of a patent application filed on my behalf and claiming methods for identifying genes that carry harmful alleles, and for identifying the inherited point mutations in any target region of a genome of a population. I have been informed that this patent application was granted a filing date of February 14, 2000, a priority date of December 9, 1998, and given a Serial Number, 09/503,758, by the United States Patent and Trademark office.
3. I have been given a complete copy of U. S. Patent Application Serial Number 09/503,758 as it was originally filed on February 14, 2000, and amended on January 22, 2001, and I have studied this material prior to making this Declaration.

4. I understand that the patent laws of the United States require that each designated inventor must have made a material contribution to the conception of the invention claimed in the U. S. patent application.

5. Aoy Tomita-Mitchell, Brindha P. Muniappan, Pablo Herrero-Jimenez and Helmut Zarbl are co-authors on the publication referred to in Paragraph 1 hereof, but did not make a material contribution to the conception of the invention claimed in Serial Number 09/503,758 as filed and subsequently amended.

Dr. Tomita-Mitchell, was a graduate student under my direct supervision during the writing of the reference described in Paragraph 1. Dr. Tomita-Mitchell did not contribute to the conception of the invention.

Dr. Muniappan was a graduate student under my direct supervision during the writing of the reference described in Paragraph 1. Dr. Muniappan did not contribute to the conception of the invention.

Dr. Herrero-Jimenez was a graduate student under my direct supervision during the writing of the reference described in Paragraph 1. Dr. Herrero-Jimenez did not contribute to the conception of the invention.

Dr. Zarbl is a colleague who was included as an author because of his critical review and discussion of the data presented in the paper.

6. I was the sole person to materially contribute to the conception of the invention claimed in Serial Number 09/503,758, as filed, and as now claimed.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Name

  
Dr. William G. Thilly

Date

11 Dec 2001